

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/044231 A2

- (51) International Patent Classification⁷: C12Q 1/00, 1/60
- (21) International Application Number:
PCT/US2003/034771
- (22) International Filing Date: 31 October 2003 (31.10.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
10/293,788 13 November 2002 (13.11.2002) US
- (71) Applicant: TRUSTEES OF DARTMOUTH COLLEGE [US/US]; Technology Transfer Office, 11 Rope Ferry Road, Hanover, NH 03755-1404 (US).
- (72) Inventors: CHANG, Ta-Yuan; 10 Dunster Drive, Hanover, NH 03755 (US). SUGII, Shigeki; 102 Sachem Village, West Lebanon, NH 03784 (US).
- (74) Agents: LICATA, Jane, Massey et al.; Licata & Tyrrell P.C., 66 E. Main Street, Marlton, NJ 08053 (US).
- (81) Designated States (*national*): CA, JP.
- (84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD FOR DETECTING INTRACELLULAR CHOLESTEROL

(57) Abstract: The present invention relates to a method of detecting intracellular cholesterol. The method provides contacting a permeabilized cell with labeled cθ complex. Methods of using this detection method to identify agents which modulate cholesterol accumulation in a cell are also provided.

WO 2004/044231 A2